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A table in an HTML document is analyzed to generate cell position data indicating a positional relationship between cells and cell vectors representing characteristics of the cells, and a table type is judged with reference to the cell position data and the cell vectors, and, if the table type is a table describing a table, it is judged whether the data is represented in a column or a row with reference to the cell position data and the cell vectors, and a cut direction of the table is determined, and segments are generated with reference If the table to the table type and the cut direction. type is a table for layout, the cells are clustered with reference to the cell vectors, and the segments are generated with reference to the cell position data and cell cluster information.